

PATIO DOOR ASSEMBLY WITH EXTRUDED PLASTICS COMPONENTS

Abstract of the Disclosure

Sections of extruded rigid plastics material form a rectangular main frame including a pair of vertical jamb members, a top head member and a bottom sill member connected by welded mitered corners. An extruded plastic astragal member is spaced between the jamb members and

5 has laterally projecting stop portions and internal walls which are rigidly connected by long screws to the head and sill members. A fixed door panel and a pivotal door panel have extruded plastic rectangular frames with welded mitered corner joints and which surround

10 corresponding glazing panels. A continuous gear hinge has an inactive leaf secured to the astragal member and a slightly shorter active leaf which covers an edge portion of the pivotal door panel. The door panel frames have internal walls which cooperate with the welded corner joints to maintain each frame flat, and long screws positively connect the leaves of the gear hinge to the pivotal door panel frame and the

15 astragal member.